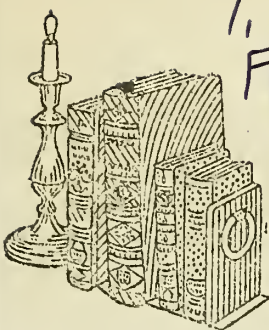


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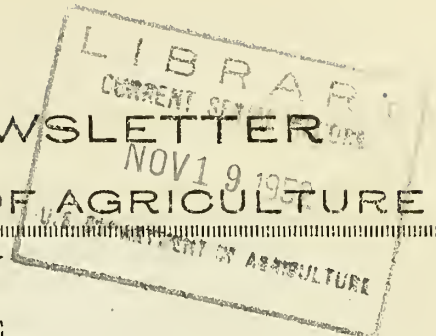


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# LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE

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"We read old books for their excellence, but new ones to share in the mental life of our time."--Saturday Review of Literature.

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## NEW BOOKS IN THE LIBRARY

ANNUAL REVIEW OF PLANT PHYSIOLOGY, Volume 2, edited by D. I. Arnon and L. Machlis. Annual Reviews, Inc., 1951. 361p. 450 An78

"The present volume attempts to repeat the general pattern introduced by the first: a survey of progress made in the various branches of plant physiology and associated fields with emphasis on critical evaluation rather than on encyclopedic comprehensiveness in reviewing publications." Partial contents: Mechanism of Absorption and Transport of Inorganic Nutrients in Plants, by R. N. Robertson; The Role of the Mineral Elements in Plant Nutrition, by E. J. Hewitt; Respiration (The Pasteur Effect in Plants), by J. S. Turner; Formation, Occurrence, and Inactivation of Growth Substances, by P. Larsen; Herbicides and Selective Phytotoxicity, by G. E. Blackman, W. G. Templeman, and D. J. Halliday; Permeability, by H. B. Steinbach.

DESTRUCTIVE AND USEFUL INSECTS: THEIR HABITS AND CONTROL, by C. L. Metcalf and W. P. Flint, revised by R. L. Metcalf. McGraw-Hill, 1951. 1071p. 423 M563

"While much that is new has been written, little has been removed....Several sections of the book have been almost entirely rewritten. The chapter on Internal Anatomy and Physiology of Insects incorporates recent discoveries in insect physiology and biochemistry, and new sections have been added on insect nutrition and insect pigments. The tables of plant and animal diseases transmitted by insects have been brought up to date with recent discoveries. The chapter on Insect Control includes structural formulas and descriptions of the chemical, physical, and insecticidal properties of more than 150 substances used in the control of insects. New sections have been added on activators; attractants; emulsification, wetting, and spreading; insecticide formulation; mothproofing; repellents to bloodsucking insects; and insecticide-resistant insects. The sections on biological and legal control have been expanded. The chapter on Apparatus for Applying Insecticides has been completely modernized and new illustrations provided of the latest types of equipment. New sections have been added on aerosols, air-atomizing sprayers, and aircraft dispersal of insecticides. The last half of the book has been thoroughly modernized to include current control practices for all insect pests discussed." From Preface.

MUSHROOM GROWING TO-DAY, by F. C. Atkins. Faber & Faber, 1950. 187p. 91.7  
At5

Though published in England, this very practical and complete book on mushroom growing is largely applicable to the United States. Some of the information, such as lists of firms carrying materials needed, trade names for spraying apparatus, and prices mentioned, is of no value to us. But we can secure such information elsewhere. The book is divided into six parts: The Background To Mushroom Growing, Mushrooms As A Sideline, Modern Specialist Requirements, The Technique of Growing, Diseases and Pests, and Other Aspects of Mushroom Growing.

THE POLITICS OF AGRICULTURE, by C. M. Hardin. Free Press, 1952. 282p. 281.12  
H212P

Mr. Hardin, now Associate Professor of Political Science at The University of Chicago, has, during the past twelve years, been close to the politics of agriculture. In this book he presents to us, skillfully and objectively, what is happening in agricultural politics today. To enable him to make an orderly analysis of a very controversial and complex field, he chose a single phase of agricultural politics--soil conservation--to illuminate the whole. That accounts for his sub-title: "Soil Conservation and the Struggle for Power in Rural America." The author is a realist and also an idealist, and his combination of realism and idealism makes this a fascinating book. After all, the life of man is made up of both realism and idealism. USDA employees, both those who work with farm people and those who make policies, should find the reading of this book very profitable. It would be a good book for farmers themselves to read.

THE PRODUCTION AND MARKETING OF RICE, by J. N. Efferson. The Rice Journal, 1952. 534p. 59.29 Ef3

Part I deals with world rice production and trade and is followed by sections on rice in Asia, Africa, Europe, and Latin America. Surplus rice regions, deficit rice regions, and self-sufficient rice regions are considered for each continent. The final part of the book deals with rice in the United States. Here we find discussions of economic trends in the rice industry; production and harvesting methods, varieties, costs and rice farm management, marketing and milling. The author is Professor of Agricultural Economics at Louisiana State University and in writing this book has relied on his background of fifteen years of research work on economic problems of the rice industry in the United States and a two-year intensive survey of rice production and marketing throughout the world. Mr. Efferson has given us more than a book about rice; he has given us a great deal of information about the economic conditions in many parts of the world, and reading his book broadens one's understanding of the problems besetting the world today.

## SELECTED BULLETINS

### Entomology

"Classification of the Ortheziidae: Supplement to Classification of Scale Insects of the Subfamily Ortheziinae." USDA Tech. B. 1052, 80p. 1952. 1 Ag84Te

"The Control of Caterpillars Attacking Soybeans." Okla. Agr. Expt. Sta. Mimeo. Cir. M-239, 2p. 1952. 100 Ok4M 239

"Control of Spider Mites on Wheat." Tex. Agr. Expt. Sta. Prog. Rpt. 1476, 3p. 1952. 100 T31P 1476



Forestry

- "Annual Cash Returns and A Better Woodlot." Southeastern Forest Expt. Sta., 1951. 4p. 1.9622 S4An74
- "Girdling or Banding as a Means of Increasing Cone Production in Pine Plantations." Great Britain, Forestry Commission, Forest Record No. 12, 8p. 1951. 99.9 G795Fr
- "Preliminary Report on a Study of Private Forest Administration." Univ. of Maine Forestry Dept. Tech. Note 17, 2p. 1952. 99.9 M284 17
- "Preliminary Studies on the Effect of Fire on Forest Soils in the Western White Pine Region of Idaho." Univ. of Idaho, Forest, Wildlife and Range Expt. Sta. Res. Notes 4, 5p. 99.9 Id1R31
- "A Survey of Forest Fire Causes and Suggested Corrective Methods." Reprinted from The Forestry Chronicle, Dec. 1951. (Canada.)
- "Unique Partial Cutting Methods in Cowlitz County, Washington." Wash., Inst. of Forest Products New Wood-Use Series, C. 22, 4p. 1952. 99.9 W278N 22
- "Wood Hogs vs Pine Logs." Southern Forest Expt. Sta. 1 F7624W

Livestock Feeding

- "Dried Skimmilk in Rations for Dairy Calves." Tex. Agr. Expt. Sta. Prog. Rpt. 1482, 2p. 1952. 100 T31P 1482
- "Finely Ground Peanut Hulls and Prairie Hay in Rations for Fattening Steers." Tex. Agr. Expt. Sta. Prog. Rpt. 1483, 3p. 1952. 100 T31P 1483

Range and Pasture

- "Cattle Bloat on Clover Pastures." La. Agr. Expt. Sta. B. 469, 8p. 1952. 100 L93 469
- "Effect of Different Sources of Phosphate on Yield and Botanical Composition of Pasture Vegetation." Tex. Agr. Expt. Sta. Prog. Rpt. 1481, 3p. 1952. 100 T31P 1481
- "Fall and Winter Pastures." Okla. Agr. Col. Ext. C. 575, 3p. 1952. 275.29 Ok41C
- "Forage Grasses for Hay and Pasture. II. Intermediate Wheatgrass Varieties." Nevada Agr. Expt. Sta. C. 2, 6p. 1952. 100 N41S 2
- "Forage Grasses for Hay and Pasture. III. Slender Wheatgrasses, Timothies, and other Rapid Growing Short Lived Grasses." Nevada Agr. Expt. Sta. C. 3, 5p. 1952. 100 N41S 3
- "Grassland Farming on Cutover Pineland of West Louisiana." La. Agr. Expt. Sta. B. 468, 15p. 1952. 100 L93 468
- "Helpful Hints in Range Management. Effect of Prolonged Spring Grazing on the Yield and Quality of Forage from Wild Hay Meadows." (Abs.) Pacific Northwest Region, U. S. Forest Serv.
- "Helpful Hints in Range Management. Observations on the Starkey Experimental Forest and Range." U. S. Forest Serv., Pacific Northwest Region, 1951.
- "Helpful Hints in Range Management. Why Have Pine Ranges 'Brushed Up'?" U. S. Forest Serv., Pacific Northwest Region, 1951.
- "Peavine--A Poisonous Range Plant in Texas." Tex. Agr. Expt. Sta. Prog. Rpt. 1474, 4p. 1952. 100 T31P 1474

Miscellany

- "Acceptance of Improved Farm Practices in Three Coastal Plain Counties." N. C. Agr. Expt. Sta. Tech. B. 98, 75p. 1952. 100 N81T 98
- "Accumulation of Radioisotopes in Corn Leaves." Ohio Agr. Expt. Sta. Res. B. 723, 30p. 1952. 100 Oh3R
- "Commercial Growing of Sweet Corn." USDA Farmers' B. 2042, 29p. 1952. 1 Ag84F
- "Effect of Tree Barriers on Outcrossing in Corn." Okla. Agr. Expt. Sta. Tech. B. T-45, 11p. 1952. 100 Ok4T 45
- "Georgia Weeds and How to Control Them." Ga. Agr. Coll. Ext. B. 502, 99p. 1952. 275.29 G29B 502.
- "Hydraulics of Wells." Utah Agr. Expt. Sta. B. 351, 48p. 1952. 100 Ut1B 351
- "Lining Canals and Reservoirs to Reduce Conveyance Losses." Utah Agr. Expt. Sta. C. 129, 24p. 1952. 100 Ut1F 129
- "Protein in Rice as Influenced by Variety and Fertilizer Levels." La. Agr. Expt. Sta. Tech. B. 466, 28p. 1952. 100 L93 466
- "Recommended Practices to Reduce Fluorosis in Livestock and Poultry." Utah Agr. Expt. Sta. C. 130, 16p. 1952. 100 Ut1F 130
- "Rothamsted Experimental Station. Report for 1951." 211p. 103 R74Ga
- "A Short Scale for Measuring Farm Family Level of Living: A Modification of Sewell's Socio-Economic Scale." Okla. Agr. Expt. Sta. Tech. B. T-46, 22p. 1952. 100 Ok4T
- "Soil Survey: Okfuskee County, Oklahoma." 1952. 1 So32F
- "Substitutes for Stable Manure in Commercial Vegetable Farming." Conn. Agr. Expt. Sta. B. 560, 10p. 1952. 100 C76S
- "Turkeys--A Cash Crop." Ark. Agr. Col. Ext. C. 469, 31p. 1950. 275.29 Ar42C
- "Using Electricity in Watering Farm Gardens." USDA Farmers' B. 2044, 22p. 1952. 1 Ag84F 2044
- "Utilizing Stock Tanks and Farm Ponds for Fish." Texas Game, Fish & Oyster Commission B. 24, 53p. Rev. 1950. 412.9 T31B 24
- "Vetch for Soil Improvement." Okla. Agr. Col. Ext. C. 472. Revised 1952? 275.29 Ok41C 472
- "Wood By-Products as Poultry Litter." Institute of Forest Products, New Wood-Use Series, C. 20, 4p. 1952. 99.9 W278N 20